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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/649,713	08/25/2000	Harry T. French	FRENCH 6-2	7110
47396	7590	02/07/2006	EXAMINER	
HITT GAINES, PC AGERE SYSTEMS INC. PO BOX 832570 RICHARDSON, TX 75083			HAN, CLEMENCE S	
			ART UNIT	PAPER NUMBER
			2668	

DATE MAILED: 02/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	09/649,713		FRENCH ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Clemence Han		2668	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 22 November 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-50 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 33-50 is/are allowed.
- 6) ☒ Claim(s) 1-23, 25-30 and 32 is/are rejected.
- 7) ☒ Claim(s) 24 and 31 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
2. Claim 1-23, 25-30 and 32 are rejected under 35 U.S.C. 102(a) as being anticipated by Bhagavath et al. (US 5,940,369).

Regarding to claim 1 and 10, Bhagavath teaches for use with a packet transport system associated with a switching network and having a master device and a slave device that transmits packets therebetween over a local interface, a messaging system for facilitating communications between said master device and said slave device, comprising: a channel level detector that reads a level of a first-in, first-out (FIFO) buffer 113 of said slave device 111 and compares said level to a threshold, said slave device 111 providing a network interface to said switching network 115 for said master device 101 (Subscriber Premises in Figure 1); and an event driven message generator that issues an event driven message 213 over said local interface (“IA-HDT transmission link” in Column 1 Line 56-57) to said master device 101 when said level reaches said threshold (Column 4 Line 24-26).

Regarding to claim 2 and 11, Bhagavath teaches said event driven message is transmitted in band with packets transmitted from said slave device to said master device (Column 4 Line 29-33).

Regarding to claim 3 and 12, Bhagavath teaches packets transmitted to said master device 101 are packets received by said slave device 111 over said switching network 115 (Column 4 Line 1).

Regarding to claim 4 and 13, Bhagavath teaches said switching network 115 is an asynchronous transfer mode (ATM) network.

Regarding to claim 5 and 14, Bhagavath teaches said threshold is user selectable (Table I, in Column 4).

Regarding to claim 6 and 15, Bhagavath teaches said level indicates a number of packets remaining in said FIFO buffer, said event driven message indicating to said master device as to when said FIFO buffer may underrun 203 (Column 3 Line 21-24).

Regarding to claim 7 and 16, Bhagavath teaches said master device transmits additional packets to said slave device based on said event driven message (Column 3 Line 25-29).

Regarding to claim 8 and 17, Bhagavath teaches said level indicates a number of packets remaining in said FIFO buffer, said event driven message

indicating to said master device as to when said FIFO buffer may overrun (Column 4 Line 24-26).

Regarding to claim 9 and 18, Bhagavath teaches said master device suspends transmission of packets to said slave device based on said event driven message (Column 4 Line 29-33).

Regarding to claim 19 and 26, Bhagavath teaches for use with a packet transport system associated with a switching network and having a master device and a slave device that transmits packets therebetween over a local interface, a messaging system for facilitating communications between said master device and said slave device, comprising: an aggregate level detector that determines storage levels of a plurality of channels associated with said slave device (Column 3 Line 3-7), said slave device 111 providing a network interface to said switching network 115 for said master device 101 (Subscriber Premises in Figure 1); and a periodic message generator that periodically issues to said master device over said local interface (“IA-HDT transmission link” in Column 1 Line 56-57) a periodic message indicating said storage levels (Column 2 Line 48-53).

Regarding to claim 20 and 27, Bhagavath teaches said periodic message is transmitted in band with packets transmitted from said slave device to said master device (Column 4 Line 29-33).

Regarding to claim 21 and 28, Bhagavath teaches packets transmitted to said master device 101 are packets received by said slave device 111 over said switching network 115 (Column 4 Line 1).

Regarding to claim 22 and 29, Bhagavath teaches said switching network 115 is an asynchronous transfer mode (ATM) network.

Regarding to claim 23 and 30, Bhagavath teaches said periodic message is contained in a single packet (Column 4 Line 24).

Regarding to claim 25 and 32, Bhagavath teaches said master device transmits additional packets to said slave device based on said periodic message (Column 3 Line 25-29).

***Allowable Subject Matter***

3. Claim 24 and 31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
4. Claim 33-50 are allowed.
5. The following is a statement of reasons for the indication of allowable subject matter: The prior arts in the record fail to teach or make obvious to a method comprising both channel level detector and aggregate level detector where the master device control the transmission based on at least one of the feedbacks

from both detectors within a structure of the claim. These features are claimed in the independent claims 33 and 41 and render them allowable.

***Response to Arguments***

6. Applicant's arguments with respect to claim 1-50 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents are cited to further show the state of the art with respect to the invention in general.

U.S. Patent 6,438,101 to Kalampoukas et al.

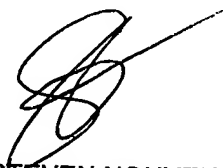
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clemence Han whose telephone number is (571) 272-3158. The examiner can normally be reached on Monday-Thursday 7 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on (571) 272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Clemence Han  
Examiner  
Art Unit 2668



STEVEN NGUYEN  
PRIMARY EXAMINER